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Search Results -

Terms	Documents
L2 and kretz.in.	9

Database: US Patents Full-Text Database; US Pre-Grant Publication Full-Text Database; JPO Abstracts Database; EPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

Search: L4

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Search History

DATE: Monday, June 23, 2003 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=OR			
L4	L2 and kretz.in.	9	L4
L3	short.in. and L2	7	L3
L2	L1 same (recombin$6 or clon$6 or isolat$5)	62	L2
L1	phytas$5 same coli$6	98	L1

END OF SEARCH HISTORY

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End of Result Set

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L1: Entry 4 of 4 File: USPT Mar 2, 1999

US-PAT-NO: 5876997
DOCUMENT-IDENTIFIER: US 5876997 A

TITLE: Phytase

DATE-ISSUED: March 2, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kretz; Keith	San Marcos	CA		

US-CL-CURRENT: 435/196; 435/252.1, 435/320.1, 435/325, 435/69.1, 536/23.2

CLAIMS:

What is claimed is:

1. An isolated polynucleotide selected from the group consisting of:

a) SEQ ID NO:1;

b) SEQ ID NO:1 wherein T is substituted with U.

2. An isolated polynucleotide encoding a phytase having the amino acid sequence of SEQ ID NO:2.

3. The polynucleotide of claim 2, wherein the polynucleotide is isolated from a prokaryote.

4. An expression vector comprising the polynucleotide of claim 2.

5. The vector of claim 4, wherein the vector is a plasmid.

6. The vector of claim 4, wherein the vector is virus-derived.

7. A host cell transformed with the vector of claim 4.

8. The host cell of claim 7, wherein the cell is prokaryotic.

9. A method for producing an enzyme comprising growing a host cell of claim 7 under conditions which allow the expression of the enzyme and isolating the enzyme encoded by the nucleic acid.

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L1: Entry 1 of 4 File: USPT Feb 20, 2001

US-PAT-NO: 6190897
DOCUMENT-IDENTIFIER: US 6190897 B1

TITLE: Phytase

DATE-ISSUED: February 20, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kretz; Keith	San Marcos	CA		

US-CL-CURRENT: 435/196; 435/252.1, 435/320.1, 435/325, 536/23.1, 536/23.2

CLAIMS:

What is claimed is:

1. An isolated polynucleotide encoding a phytase having the amino acid sequence of SEQ ID NO:2.

2. An isolated polynucleotide selected from the group consisting of:

a) SEQ ID NO:1;

b) SEQ ID NO:1 wherein T is substituted with U.

3. The polynucleotide of claim 1, wherein the polynucleotide is isolated from a prokaryote.

4. An expression vector comprising the polynucleotide of claim 1.

5. The vector of claim 4, wherein the vector is a plasmid.

6. The vector of claim 4, wherein the vector is virus-derived.

7. A host cell transformed with the vector of claim 4.

8. The host cell of claim 7, wherein the cell is prokaryotic.

9. A method for producing an enzyme comprising growing a host cell of claim 7 under conditions which allow the expression of the enzyme and isolating the enzyme encoded by the nucleic acid.

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L1: Entry 2 of 4 File: USPT Feb 6, 2001

US-PAT-NO: 6183740
DOCUMENT-IDENTIFIER: US 6183740 B1

TITLE: Recombinant bacterial phytases and uses thereof

DATE-ISSUED: February 6, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Short; Jay M.	Rancho Santa Fe	CA		
Kretz; Keith A.	San Marcos	CA		

US-CL-CURRENT: 424/94.6; 435/196, 536/23.2

CLAIMS:

What is claimed is:

1. A method for improving the nutritional value of a phytate-containing foodstuff comprising:

contacting said phytate-containing foodstuff with a substantially pure phytase enzyme having an amino acid sequence of SEQ ID NO:2, such that said substantially pure phytase enzyme catalyzes the liberation of inorganic phosphate from the phytate in said phytate-containing foodstuff.

2. The method according to claim 1 wherein said substantially pure phytase enzyme is produced by a recombinant expression system comprising a first phytase-encoding nucleic acid having a nucleotide sequence selected from the group consisting of:

a) SEQ ID NO: 1, and

b) SEQ ID NO:1 wherein T can also be U;

wherein the expression of the phytase-encoding nucleic acid leads to the production of said substantially pure phytase enzyme.

3. The method according to claim 1 wherein the liberation of the inorganic phosphate from the phytate in said phytate-containing foodstuff occurs prior to the ingestion of said phytate-containing foodstuff by a recipient organism.

4. The method according to claim 1 wherein the liberation of the inorganic phosphate from the phytate in said phytate-containing foodstuff occurs after the ingestion of said phytate-containing foodstuff by a recipient organism.

5. The method according to claim 1 wherein the liberation of the inorganic phosphate from the phytate in said phytate-containing foodstuff occurs in part prior to and in part after the ingestion of said phytate-containing foodstuff by a recipient organism.

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L1: Entry 3 of 4 File: USPT Aug 29, 2000

US-PAT-NO: 6110719
DOCUMENT-IDENTIFIER: US 6110719 A
**** See image for Certificate of Correction ****

TITLE: Phytase

DATE-ISSUED: August 29, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Kretz; Keith	San Marcos	CA		

US-CL-CURRENT: 435/196; 424/442, 424/94.6

CLAIMS:

What is claimed is:

1. Substantially pure phytase having an amino acid sequence as set forth in SEQ ID NO:2.

2. The phytase of claim 1, wherein the phytase is encoded by SEQ ID NO:1.

3. A phytase of claim 1, wherein said amino acid sequence is encoded by a nucleic acid sequence 90 percent identical to the sequence set forth in SEQ ID NO:1.

4. A phytase of claim 1, wherein said amino acid sequence is encoded by a nucleic acid sequence 95 percent identical to the sequence set forth in SEQ ID NO:1.

5. A phytase of claim 1, wherein said amino acid sequence is encoded by a nucleic acid sequence 97 percent identical to the sequence set forth in SEQ ID NO:1.

6. An animal feed composition comprising a microbial phytase having an amino acid sequence as set forth in SEQ ID NO:2.

7. An animal feed composition comprising a microbial phytase encoded by the polynucleotide of SEQ ID NO:1.

=> d his

(FILE 'HOME' ENTERED AT 16:42:25 ON 23 JUN 2003)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 16:42:38 ON 23 JUN 2003

SEA PHYTAS? (S) COLI?

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11 FILE AGRICOLA
2 FILE BIOBUSINESS
45 FILE BIOSIS
46 FILE BIOTECHABS
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1 FILE CANCERLIT
77 FILE CAPLUS
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37 FILE SCISEARCH
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3 FILE USPAT2
10 FILE VETU
18 FILE WPIDS
18 FILE WPINDEX

L1 QUE PHYTAS? (S) COLI?

FILE 'DGENE, USPATFULL, CAPLUS, BIOTECHDS, BIOSIS, SCISEARCH, ESBIOBASE, MEDLINE, BIOTECHNO, EMBASE, PASCAL, CABA, IFIPAT, WPIDS' ENTERED AT 16:43:50 ON 23 JUN 2003

L2 613 S PHYTAS? (S) COLI?
L3 281 S L2 (S) (RECOMBIN? OR ISOLAT? OR CLON?)
L4 160 DUP REM L3 (121 DUPLICATES REMOVED)
L5 2 S L4 AND KRETZ?
L6 43 S L4 AND SHORT?

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NEWS 4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
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NEWS 7	Sep 03	JAPIO has been reloaded and enhanced
NEWS 8	Sep 16	Experimental properties added to the REGISTRY file
NEWS 9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
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NEWS 12	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 13	Nov 18	DKILIT has been renamed APOLLIT
NEWS 14	Nov 25	More calculated properties added to REGISTRY
NEWS 15	Dec 04	CSA files on STN
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NEWS 18	Dec 17	Adis Clinical Trials Insight now available on STN
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NEWS 22	Feb 24	PCTGEN now available on STN
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NEWS 27	Mar 20	EVENTLINE will be removed from STN
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NEWS 31	Apr 14	MEDLINE Reload
NEWS 32	Apr 17	Polymer searching in REGISTRY enhanced
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NEWS 37	May 15	MEDLINE file segment of TOXCENTER reloaded
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NEWS 39	May 16	CHEMREACT will be removed from STN
NEWS 40	May 19	Simultaneous left and right truncation added to WSCA
NEWS 41	May 19	RAPRA enhanced with new search field, simultaneous left and right truncation
NEWS 42	Jun 06	Simultaneous left and right truncation added to CBNB
NEWS 43	Jun 06	PASCAL enhanced with additional data
NEWS 44	Jun 20	2003 edition of the FSTA Thesaurus is now available

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=> index bioscience medicine
FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.21       0.21

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS,
       BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT,
       CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE,
       DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 16:42:38 ON 23 JUN 2003

70 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view
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=> s phytas? (s) coli?
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         21   FILE CABA
          1   FILE CANCERLIT
         77   FILE CAPLUS
         10   FILE CEABA-VTB
          1   FILE CIN
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        140   FILE DGENE
          1   FILE EMBAL
         23   FILE EMBASE
         28   FILE ESBIOBASE
  33 FILES SEARCHED...
         12*  FILE FEDRIP
         14   FILE FROSTI
         17   FILE FSTA
          7   FILE GENBANK
         20   FILE IFIPAT
         17   FILE LIFESCI
         26   FILE MEDLINE
         22   FILE PASCAL
          2   FILE PHIN
          1   FILE PROMT
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         37   FILE SCISEARCH
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  62 FILES SEARCHED...
          3   FILE USPAT2
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  33 FILES HAVE ONE OR MORE ANSWERS,    70 FILES SEARCHED IN STNINDEX

L1    QUE PHYTAS? (S) COLI?

=> d rank
F1          140   DGENE
F2           87   USPATFULL
F3           77   CAPLUS
F4           46   BIOTECHABS
F5           46   BIOTECHDS
F6           45   BIOSIS
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F22          11   AGRICOLA
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F26           3   USPAT2
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F28           2   CONFSCI
F29           2   PHIN
F30           1   CANCERLIT
F31           1   CIN
F32           1   EMBAL
F33           1   PROMT


=> file f1-f16
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                     ENTRY    SESSION
FULL ESTIMATED COST                                   1.10       1.31

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=> s phytas? (s) coli?
  13 FILES SEARCHED...
L2          613 PHYTAS? (S) COLI?

=> s l2 (s) (recombin? or isolat? or clon?)
   6 FILES SEARCHED...
  12 FILES SEARCHED...
L3          281 L2 (S) (RECOMBIN? OR ISOLAT? OR CLON?)

=> dup rem l3
DUPLICATE IS NOT AVAILABLE IN 'DGENE'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L3
L4           160 DUP REM L3 (121 DUPLICATES REMOVED)

=> s l4 and kretz?
L5            2 L4 AND KRETZ?

=> s l4 and short?
L6           43 L4 AND SHORT?

=> d ti l6 1-43

L6    ANSWER 1 OF 43  DGENE (C) 2003 THOMSON DERWENT
TI    Producing recombinant protein in Gram-negative cells, especially for
      producing enzymes, comprises using a gene controlled by a Gram-positive
```

promoter and permeabilized cells -

L6 ANSWER 2 OF 43 DGENE (C) 2003 THOMSON DERWENT
TI Mutated acid phosphatase/phytase from Escherichia coli has improved enzymatic activity compared to the wild type and is useful as a food additive, particularly for animal feeds -

L6 ANSWER 3 OF 43 DGENE (C) 2003 THOMSON DERWENT
TI Producing recombinant protein in Gram-negative cells, especially for producing enzymes, comprises using a gene controlled by a Gram-positive promoter and permeabilized cells -

L6 ANSWER 4 OF 43 USPATFULL
TI Consensus phytases

L6 ANSWER 5 OF 43 USPATFULL
TI Phytases, nucleic acids encoding them and methods for making and using them

L6 ANSWER 6 OF 43 USPATFULL
TI Recombinant phytases and uses thereof

L6 ANSWER 7 OF 43 USPATFULL
TI Phytase polypeptides

L6 ANSWER 8 OF 43 USPATFULL
TI Phosphatases with improved phytase activity

L6 ANSWER 9 OF 43 USPATFULL
TI Phytase polypeptides

L6 ANSWER 10 OF 43 USPATFULL
TI Recombinant bacterial phytases and uses thereof

L6 ANSWER 11 OF 43 USPATFULL
TI Promoters for expressing genes in a fungal cell

L6 ANSWER 12 OF 43 USPATFULL
TI Phytase varinats

L6 ANSWER 13 OF 43 USPATFULL
TI Enzymes with improved phytase activity

L6 ANSWER 14 OF 43 USPATFULL
TI Overexpression of phytase genes in yeast systems

L6 ANSWER 15 OF 43 USPATFULL
TI Phytase enzymes nucleic acids encoding phytase enzymes and vectors and host cells incorporating same

L6 ANSWER 16 OF 43 USPATFULL
TI Recombinant bacterial phytases and uses thereof

L6 ANSWER 17 OF 43 USPATFULL
TI Phytase variants

L6 ANSWER 18 OF 43 USPATFULL
TI OVEREXPRESSION OF PHYTASE GENES IN YEAST SYSTEMS

L6 ANSWER 19 OF 43 USPATFULL
TI Promoters for expressing genes in a fungal cell

L6 ANSWER 20 OF 43 USPATFULL
TI Heat tolerant phytases

L6 ANSWER 21 OF 43 USPATFULL
TI Cloning and expression of phytase from aspergillus

L6 ANSWER 22 OF 43 USPATFULL
TI Recombinant bacterial phytases and uses thereof

L6 ANSWER 23 OF 43 USPATFULL
TI Soybean phytase and nucleic acid encoding the same

L6 ANSWER 24 OF 43 USPATFULL
TI Heat tolerant phytases

L6 ANSWER 25 OF 43 USPATFULL
TI Animal feed compositions containing phytase derived from transgenic alfalfa and methods of use thereof

L6 ANSWER 26 OF 43 USPATFULL
TI Polypeptides having phytase activity and nucleic acids encoding same

L6 ANSWER 27 OF 43 USPATFULL
TI Recombinant bacterial phytases and uses thereof

L6 ANSWER 28 OF 43 USPATFULL
TI Consensus phytases

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TI Method for producing phytase

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TI Peniophora phytase

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TI Peniophora phytase

L6 ANSWER 32 OF 43 USPATFULL
TI Phytase polypeptides

L6 ANSWER 33 OF 43 USPATFULL
TI DNA sequences encoding phytases of ruminal microorganisms

L6 ANSWER 34 OF 43 USPATFULL
TI Phytases of ruminal microorganisms

L6 ANSWER 35 OF 43 USPATFULL
TI Animal feed compositions containing phytase derived from transgenic alfalfa and methods of use thereof

L6 ANSWER 36 OF 43 USPATFULL
TI Polypeptides having 3g6-phytase activity from thermomyces and nucleic acids encoding same

L6 ANSWER 37 OF 43 USPATFULL
TI Cloning and expression of microbial phytase

L6 ANSWER 38 OF 43 USPATFULL
TI Recombinant cells that express phytate degrading enzymes in desired ratios

L6 ANSWER 39 OF 43 USPATFULL
TI Nucleic acid molecules encoding phytase and pH2.5 acid phosphatase

L6 ANSWER 40 OF 43 USPATFULL
TI Phytase-protein-pigmenting concentrate derived from green plant juice

L6 ANSWER 41 OF 43 USPATFULL

TI Production of phytate degrading enzymes in trichoderma

L6 ANSWER 42 OF 43 USPATFULL
TI Cloning and expression of phytase from aspergillus

L6 ANSWER 43 OF 43 CAPLUS COPYRIGHT 2003 ACS
TI Statistical optimization of seed and induction conditions to enhance **phytase** production by **recombinant** Escherichia **coli**

=> d his

(FILE 'HOME' ENTERED AT 16:42:25 ON 23 JUN 2003)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DRUGB, DRUGLAUNCH, DRUGMONOG2, ...' ENTERED AT 16:42:38 ON 23 JUN 2003

SEA PHYTAS? (S) COLI?

11	FILE AGRICOLA
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L1 QUE PHYTAS? (S) COLI?

FILE 'DGENE, USPATFULL, CAPLUS, BIOTECHDS, BIOSIS, SCISEARCH, ESBIOBASE, MEDLINE, BIOTECHNO, EMBASE, PASCAL, CABA, IFIPAT, WPIDS' ENTERED AT 16:43:50 ON 23 JUN 2003

L2 613 S PHYTAS? (S) COLI?
L3 281 S L2 (S) (RECOMBIN? OR ISOLAT? OR CLON?)
L4 160 DUP REM L3 (121 DUPLICATES REMOVED)
L5 2 S L4 AND KRETZ?

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L6            43 S L4 AND SHORT?

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COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                    29.02      30.33

 SESSION WILL BE HELD FOR 60 MINUTES
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Display Abstract Show: 20 Sort Send to Text

1: Plant Cell. 1989 Mar;1(3):285-91. Related Articles, Lin

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Constitutive expression of pathogenesis-related proteins PR-1, GRP, and PR-S in tobacco has no effect on virus infection.

Linthorst HJ, Meuwissen RL, Kauffmann S, Bol JF.

Department of Biochemistry, State University of Leiden, The Netherlands.

Samsun NN tobacco cells were transformed with chimeric genes for pathogenesis-related (PR) proteins derived from genomic (PR-1a, GRP) or cDN (PR-S) clones under the transcriptional control of the cauliflower mosaic virus 35S promoter. Regenerated plants were assayed by RNA and protein gel blottin and plants showing high specific expression of the inserted genes were selected for self-pollination and seed formation. Inspection of second generation transformants showed that constitutive expression of PR-1a, GRP, and PR-S in tobacco in general does not have an effect on the phenotypic appearance of the plants or the expression of other endogenous PR genes. Furthermore, constituti expression of the above genes does not affect the susceptibility of the plants to infection with tobacco mosaic virus or alfalfa mosaic virus.

PMID: 2535503 [PubMed - indexed for MEDLINE]

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